

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	<b>3</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0008_01_s_2013_3				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>4</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0008_01_s_2013_4				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response material.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_ST0008_01_s_2013_5				
Comment Code					
Inspector Comment					
The Sacramento Yard has a written response plan and regular flood fight training.					

No Photos

LM Start	0.05	Rating **	U	Issue No.	9
LM End	1.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.606917 °	38.599516 °	
			-121.560718 °	-121.590145 °	
DWR ID	DWR_ST0008_01_s_2017_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0008\_284\_9\_20170419\_00014.jpg



Tall grass on the landside slope, blocking visibility. Spring 2017.

LM Start	0.08	Rating **	M	Issue No.	6
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.606622 °	38.606622 °	
			-121.561266 °	-121.561266 °	
DWR ID	DWR_ST0008_01_f_2016_6				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0008\_284\_6\_20170320\_00001.jpg



Slope stability issue caused by vehicles. Fall 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.41	Rating **	U	Issue No.	11
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.605003 °	38.599516 °
				-121.566835 °	-121.590145 °
DWR ID	DWR_ST0008_01_s_2017_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0008\_284\_11\_20170419\_00015.jpg



Tall grass on waterside slope, blocking visibility. Spring 2017.

LM Start	0.94	Rating **	A/W	Issue No.	10
LM End	0.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.602763 °	38.602763 °
				-121.576288 °	-121.576288 °
DWR ID	DWR_ST0008_01_f_2015_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_ST0008\_284\_10\_20170320\_00003.jpg



An updated view of the rodent holes on LS slope. Fall 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
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CR : Crown

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M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.09	Rating **	A/W	Issue No.	16 (cont)
LM End	1.09	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.602169 °	38.602169 °
				-121.579000 °	-121.579000 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44787 DS_ID:19076 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: A concrete saddle found on slough/drainage. No pump was found on LS and no structure/pipe found on WS. FIELD_STRUCT_DESC: An abandoned grouted 36-inch CM pipe. Remainig of concrete structure found on LS.O&M Manual Sac 122.1, August 1955, Revision Year 2011. FS Date: 4/28/2015 2:44:05 PM					

Photo 2 of 3 : UCIP\_SP\_2017\_44787\_20604.jpg



Landside view: remaining of concrete structure

LM Start	<b>1.09</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>1.09</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_44787\_20606.jpg



Landside view: remaining of concrete structure on drainage/slough

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 WS : Water Side  
 CR : Crown

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 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.10	Rating **	C	Issue No.	7
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.602113 °	38.602113 °
				-121.579128 °	-121.579128 °
DWR ID	DWR_ST0008_01_f_2016_7				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	1.22	Rating **	M	Issue No.	12
LM End	1.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.601606 °	38.601606 °
				-121.581240 °	-121.581240 °
DWR ID	DWR_ST0008_01_s_2017_12				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Large sloughing site on waterside levee slope and crown.					

Photo 1 of 1 : SP\_2017\_ST0008\_284\_12\_20170419\_00016.jpg



View of sloughing on waterside levee slope and crown. Spring 2017.

LM Start	1.28	Rating **	M	Issue No.	13
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.601325 °	38.601325 °
				-121.582177 °	-121.582177 °
DWR ID	DWR_ST0008_01_s_2017_13				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Sloughing on landside levee slope.					

Photo 1 of 1 : SP\_2017\_ST0008\_284\_13\_20170419\_00017.jpg



View of sloughing on landside levee slope. Spring 2017.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.03	Rating **	A/W	Issue No.	2
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.602613 °	38.602613 °
				-121.556021 °	-121.556021 °
DWR ID	DWR_ST0008_02_s_2016_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0008\_285\_2\_20170320\_00001.jpg



View of rodent holes on LS slope of the levee near entry gate. Fall 2016..

LM Start	0.03	Rating **	U	Issue No.	1
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.602607 °	38.594797 °
				-121.556077 °	-121.586479 °
DWR ID	DWR_ST0008_02_s_2017_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0008\_285\_1\_20170419\_00007.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.51	Rating **	U	Issue No.	3
LM End	1.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.600333 °	38.597757 °
				-121.564416 °	-121.575579 °
DWR ID	DWR_ST0008_02_s_2017_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_ST0008\_285\_3\_20170419\_00008.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	1.24	Rating **	U	Issue No.	4	
LM End	1.77	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.597328 °	38.594797 °	
				-121.577406 °	-121.586479 °	
DWR ID	DWR_ST0008_02_s_2017_4					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

Photo 1 of 1 : SP\_2017\_ST0008\_285\_4\_20170424\_00011.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/18/2017 04/18/2017	Zach Jojola

Photo 1 of 1 : SP\_2017\_ST0008\_285\_6\_20170419\_00009.jpg



View of sloughing on waterside levee slope. LMA placed visqueen on slope to prevent further damage from occurring. Spring 2017.

Photo 1 of 1 : SP\_2017\_ST0008\_285\_8\_20170419\_00010.jpg



View of erosion on waterside levee slope. Spring 2017.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.78	Rating **	M	Issue No.	5
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.594702 °	38.594702 °
				-121.586604 °	-121.586604 °
DWR ID	DWR_ST0008_02_s_2016_5				
Comment Code					
PR : Prunings					
Inspector Comment					
This is a seasonal pile but gets burned by the LMA each year.					

LM Start	<b>1.78</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>1.78</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2017\_ST0008\_285\_5\_20170320\_00002.jpg



More debris was added to the pile since the time of last inspection. Fall 2016.

Photo 2 of 2 : SP\_2017\_ST0008\_285\_5\_20170320\_00003.jpg



View of the firewood on the landward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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